

2023 ITP Short-Circuit Model Information - Pass 1 Trial 2

- **Action Required**

SPP staff is requesting feedback on the 2023 ITP Short-Circuit models – Pass 1 Trial 2. The models are being built using PSS®E version 34.

As a reminder, a year 2 summer peak model will be used for the 2023 ITP short-circuit assessment in consideration of NERC Standard TPL-001. ITP needs will be identified from this Short-Circuit model.

The 2022 series MDAG and 2023 ITP models are being built in parallel; however, the models will be posted separately. Please refer to the model build schedule located on the SPP corporate website under the MDAG page ([2022 Series MDAG and 2023 ITP Powerflow and Short Circuit Model Build](#)) for deadlines and milestones.

- **Entities Required to Provide Feedback:**

All interested stakeholders, primarily TWG and MDAG stakeholders

- Data Submitters should review the models to ensure that all submitted updates were implemented correctly. SPP staff should be notified of any discrepancies in a timely fashion.
- If any facility exceptions need to be considered in the exceptions file, please provide updates.
- DocuCheck provides a list of values that are outside of tolerance or are in error; please review and provide updates.
- If there are updates to the list of facilities that should not be online for the max fault scenario, please provide updates for that file.
- Sequence data changes should be provided via SPP Model On Demand (MOD). For non-MOD or PSSE users updates can be uploaded to [GlobalScope](#) at the following directory:
 - ITP → ITP → NCD (CEII, RSD) → NDA → 2023 ITP → Short Circuit Models → Pass 1 Trial 2
- Any questions, feedback, updates and/or corrections can be sent to SPPEngineeringModeling@spp.org

- **Due Date and Method of Submittal**

Please provide topology updates by **Friday, November 26th, 2021** through **MOD**. For any questions or feedback, please submit those by Friday, November 26th, 2021, through the SPP Request Management System (RMS) using the “Submit Information” Quick Pick and “Integrated Transmission Planning (ITP)/Data Submission” SubType1. If there are no changes to submit, please send an email to SPPEngineeringModeling@spp.org stating that there are no changes that will be submitted to SPP for this model build pass.

- **Changes from Last Pass**

- Three new MEC tie lines were incorporated into the model build.

- **Material Disclaimer**

CONTAINS CONFIDENTIAL AND PROTECTED MATERIAL NOT AVAILABLE TO COMPETITIVE DUTY PERSONNEL
– DO NOT RELEASE

- **File location on [GlobalScape](#)**

For users who have signed an SPP non-competitive duty NDA:

This file can be found on GlobalScape under: ITP → ITP → NCD (CEII, RSD) → NDA → 2023 ITP → Short Circuit Models in the “[Pass 1 Trial 2](#)” folder.

File Name	Description
2023 ITP SC Pass 1 Trial 2 Sav.zip	Short-circuit models in PSSE version 34
2023 ITP SC Pass 1 Trial 2 Raw & Seq.zip	Short-circuit models in raw and seq format
Max_Fault_Offline_Facilities_ITP.zip	Facilities that should not be online for the max fault scenario
2023 ITP SC Pass 1 Trial 2 DocuCode.zip	List of possible errors that need reviewing
2023ITPP1T2_Exception_Template_File_for_PF_SC.xlsx	Exceptions list for Powerflow and Short Circuit
ITP Preliminary Fault Currents.zip	Preliminary bus-fault and line-outs results

- **Helpful Links and Access**

If you do not already have access to these documents in [GlobalScape](#), see the instructions for [confidentiality agreements](#) and submit the appropriate form via [RMS](#) using the “Initiate a System Access Action” **Quick Pick** and “[Globalscape File Sharing \(Maps, Models, Cases, etc\)/SPPDocuShare / Engineering / TCR Map / Models](#)” **SubType1**. [GlobalScape](#) frequently asked questions can be found in [Knowledgebase Article 686](#). Other helpful links can be found on [SPP.org](#).